



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Clopay Building Products Company**  
**8585 Duke Boulevard**  
**Mason, OH 45040**

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Steel Pan W8 Sectional Garage Door up to 9'- 0" Wide (DP +54.0, -62.0 PSF)

**APPROVAL DOCUMENT:** Drawing No. 103287, titled "Steel Pan Door up to 9'W +54/-62 PSF", sheet 1 through 3 of 3, dated 03/03/2005, with revision 06 dated 04/2016, prepared by Clopay Building Products Company, signed and sealed by Scott Hamilton, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews and revises** NOA # 15-0603.02 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*Carlos M. Utrera*  
07/13/2016

NOA No 16-0531.05  
Expiration Date: September 15, 2021  
Approval Date: July 21, 2016  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **103287**, titled "Steel Pan Door up to 9'W +54/-62 PSF", sheet 1 through 3 of 3, dated 03/03/2005, with revision 06 dated 04/2016, prepared by Clopay Building Products Company, signed and sealed by Scott Hamilton, P.E.

**B. TESTS**

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
4) Forced Entry Test per FBC, TAS 202-94  
5) Tensile Test per ASTM E8  
along with marked-up drawings and installation diagram of 9'x 8' 24 ga steel garage door Model 94W8, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0622.01-15**, dated 07/13/2015, signed and sealed by David W. Johnson, P.E.
2. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted and G90 panels, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **7890**, dated 10/01/2014, signed by Idalmis Ortega, P.E.

***"Submitted under NOA # 05-0316.01"***

3. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
4) Forced Entry Test per FBC, TAS 202-94  
5) Tensile Test per ASTM E8  
along with marked-up drawings and installation diagram of Specimens A, B, C and D Clopay Model 94, 9'x 8' 24 gauge garage doors, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0827.01-04**, dated 10/22/2004, signed and sealed by William F. Wescott, P.E.

**C. CALCULATIONS**

1. Anchoring calculations prepared by Clopay Building Products Company, dated 05/23/2016, signed and sealed by Scott Hamilton, P.E.
- "Submitted under NOA # 05-0316.01"***
2. Fastener Attachment Calculations prepared by Mark Westerfield, P.E., Sheets 1 & 2, dated 03/03/2005, signed and sealed by Mark Westerfield, P.E.

  
07/13/2016

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No 16-0531.05

Expiration Date: September 15, 2021

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**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to 5<sup>th</sup> edition (2014) FBC issued by Clopay Building Products Company, dated 05/23/2016, signed and sealed by Scott Hamilton, P.E.
2. Statement letter of no financial interest issued by Clopay Building Products Company, dated 05/23/2016, signed and sealed by Scott Hamilton, P.E.
- “Submitted under NOA # 15-0225.04”*
3. Statement letter of code conformance with the 2010 and the 5<sup>th</sup> edition (2014) FBC issued by Clopay Building Products Company, dated 02/18/2015, signed and sealed by Scott Hamilton, P.E.



07/13/2016

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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No 16-0531.05  
Expiration Date: September 15, 2021  
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CLOPAY MODELS 94, 84A, 93, 98, 4F, HOLMES MODEL 48

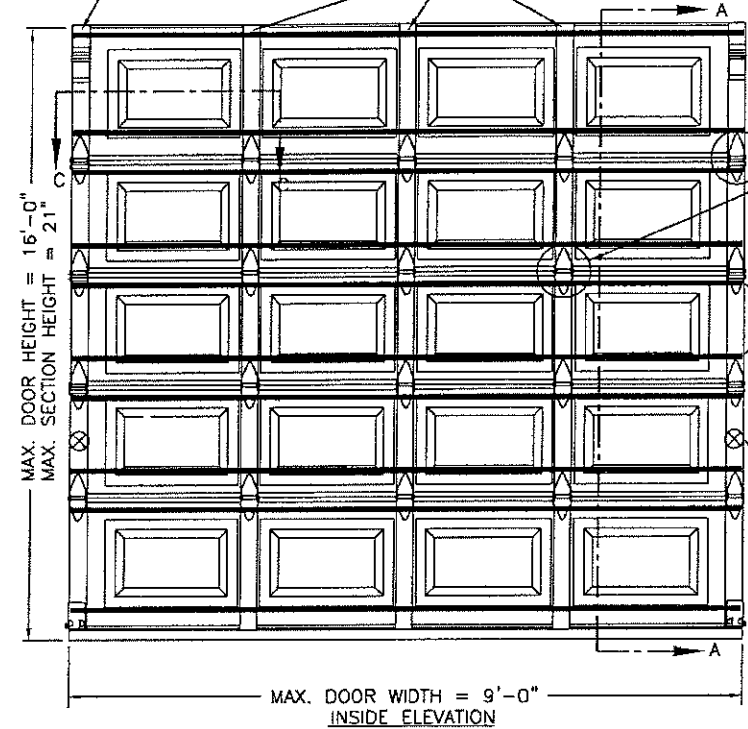
SHEET:  
1 OF 3

REVISIONS

REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
04	-	1/2012	-	SH	AFFIRMED COMPLIANCE WITH 2010 FBC.
05	-	2/2015	-	SH	UPDATED CODE COMPLIANCE STATEMENT.
06	-	4/2016	-	SH	REVISED SECTION C-C BASED ON NEW TESTING.

END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM. ALL SECTIONS HAVE (2) CLINCHES AT THE TOP AND (2) CLINCHES AT THE BOTTOM OF EACH END STILE. END STILES ON 18" SECTIONS HAVE (4) CLINCHES EVENLY DISTRIBUTED ACROSS THE FACE OF THE SECTION. END STILES ON 21" SECTIONS HAVE (6) CLINCHES EVENLY DISTRIBUTED ACROSS THE FACE OF THE SECTION.

ONE INTERMEDIATE STILE BETWEEN EACH EMBOSS LOCATION, ATTACHED W/ PATENTED TOG-L-LOC SYSTEM (TWO TOP RAIL & TWO BOTTOM RAIL) AND URETHANE ADHESIVE (ALONG CENTER).

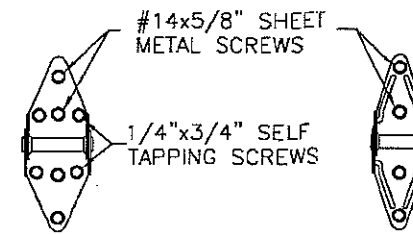


ROLLER END HINGE. SEE VIEW "B".

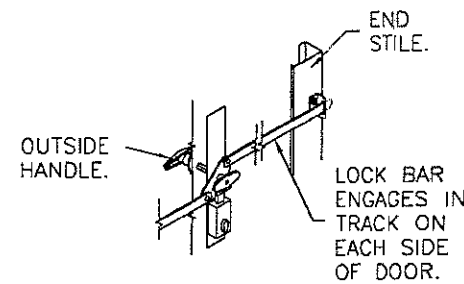
INTERMEDIATE HINGE. SEE VIEW "C".

3" U-BAR. SEE SECTION A-A FOR DETAILS.

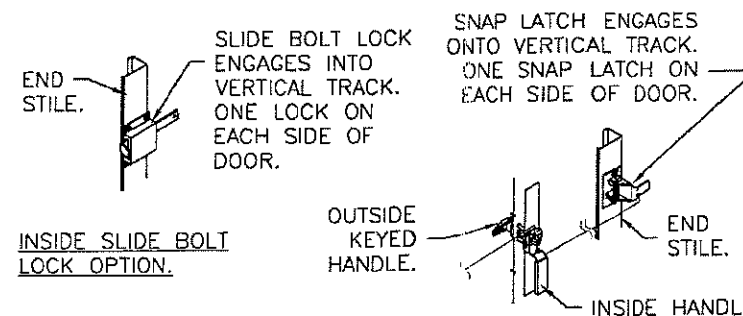
LOCK POSITION (BOTH SIDES).



14 GA. END HINGES VIEW "B" 18 GA. INTERMEDIATE HINGE VIEW "C"



OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.

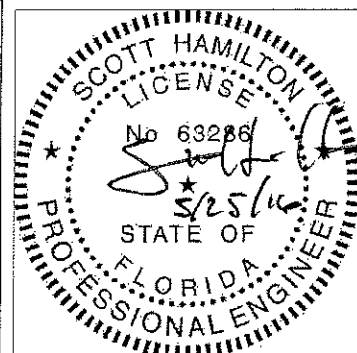


INSIDE SLIDE BOLT LOCK OPTION.

OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.

DOOR HEIGHT	# OF SECTIONS
6'0" TO 7'0"	4
7'6" TO 8'9"	5
9'0" TO 10'6"	6
10'9" TO 12'3"	7
12'6" TO 14'0"	8
14'3" TO 15'9"	9
16'0"	10

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **16-0531.05**  
Expiration Date **09/15/2021**  
By *[Signature]*  
Miami-Dade Product Control



DESIGN ENGINEER:  
SCOTT HAMILTON, P.E.  
FLORIDA LICENSE No. 63286

DESIGN LOADS: +54.0 P.S.F. & -62.0 P.S.F.

Unless Stated Otherwise  
TOLERANCES are  
.0 = ±.031  
.00 = ±.015  
.000 = ±.005  
.0000 = ±.001  
Degrees = ±1/2°

Unless Stated Otherwise  
DIMENSIONS ARE IN INCHES.

**Glopay**  
Building Products Company

8585 Duke Boulevard  
Mason, OH 45040 USA  
Tel. No. 513-770-4800  
Fax No. 513-770-4853

MANUFACTURING PRODUCT CODE  
PAN-2F143

PART NO.: N/A

WINDLOAD RATING  
W8 DP54

DESCRIPTION: STEEL PAN DOOR UP TO 9'W +54/-62 PSF

DRAWN BY: RJK

DATE: 04/07/04

SCALE: NTS

DWG. SIZE B

CHECKED BY: SH

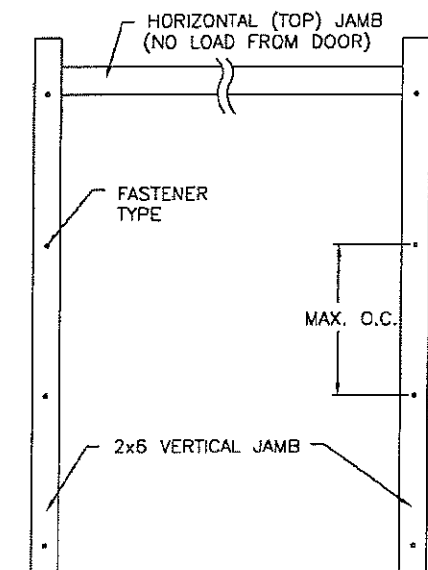
DATE: 03/03/05

SHEET 1 OF 3

DWG. NO.: 103287

VER: M-D

REV. NO.	ZONE	DATE	ECN NO.	APPVD:	DESCRIPTION
06	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

**JAMB TO SUPPORTING STRUCTURE ATTACHMENT****NOTES:**

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +243 LB & -279 LB. PER LINEAR FOOT OF JAMB.
3. ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
4. A 1/3 STRESS INCREASE FOR WIND LOAD WAS NOT USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE AND MASONRY.

**PREPARATION OF JAMBS BY OTHERS**

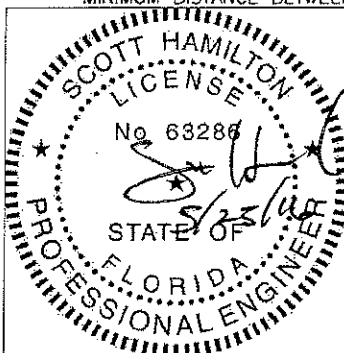
NOTE: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

**2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT**

(NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

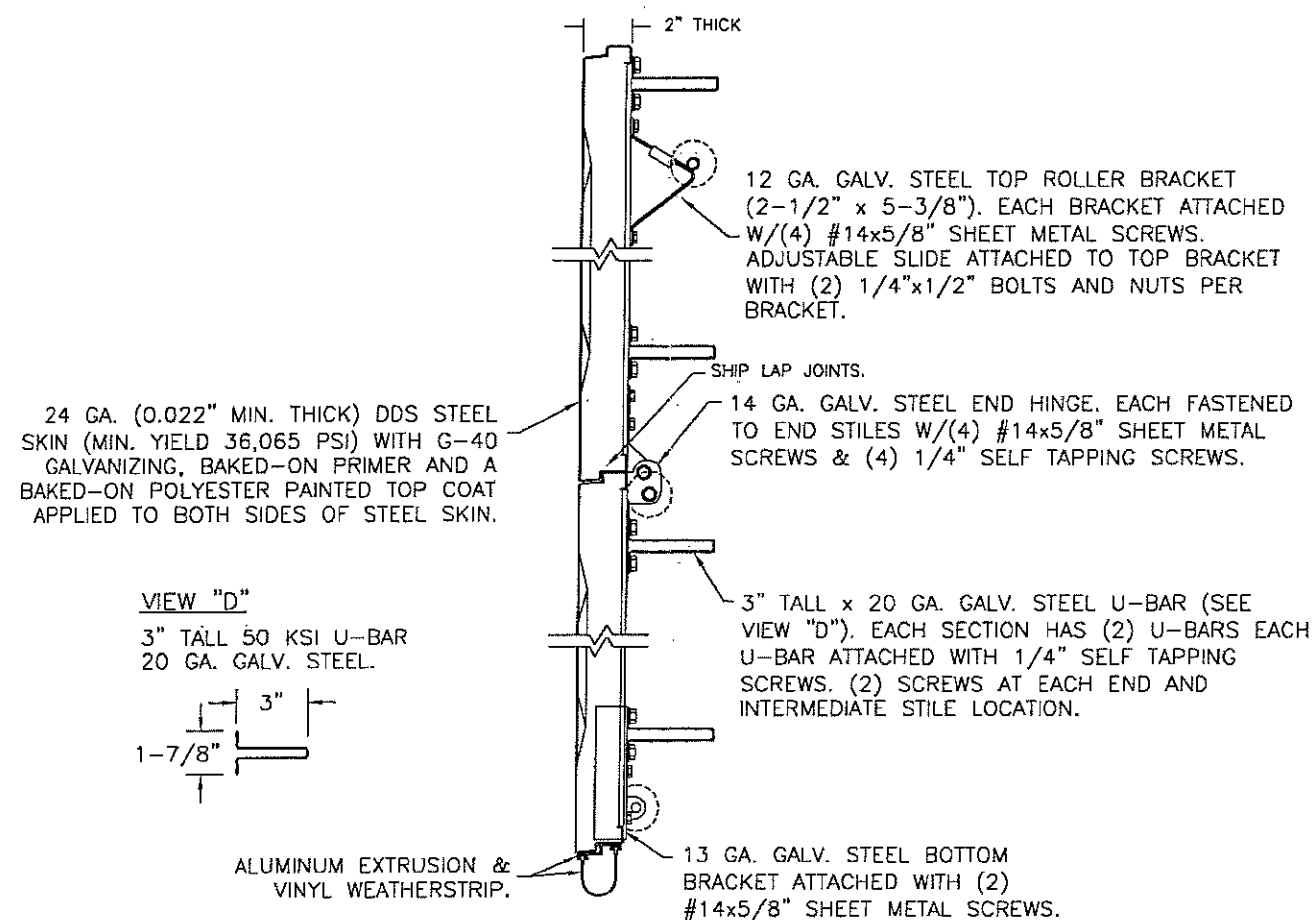
BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED
HOLLOW CMU BLOCK WALL	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR, MIN. EDGE DIST. 2"	5 3/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1-1/2" MIN. EMBED TAPCON CONCRETE ANCHOR, MIN. EDGE DIST. 1-1/4"	15 1/4"	1" O.D.
4000 PSI MIN. CONCRETE	1/4" x 1-1/2" MIN. EMBED TAPCON CONCRETE ANCHOR, MIN. EDGE DIST. 1-1/4"	22"	1" O.D.
5000 PSI MIN. CONCRETE	1/4" x 1-1/2" MIN. EMBED TAPCON CONCRETE ANCHOR, MIN. EDGE DIST. 1-1/4"	24"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	20 3/4"	INCLUDED
4000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	24"	INCLUDED
WOOD FRAME (SYP 0.55 SG)	1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-5/8" EMBED INTO STRUCTURE	22 1/4"	1" O.D.

\* FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.  
CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.  
MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK 2-1/2" UNLESS OTHERWISE NOTED, EXCLUDING STUCCO THICKNESS.

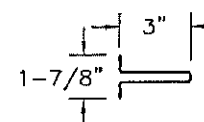


DESIGN ENGINEER:  
SCOTT HAMILTON, P.E.  
FLORIDA LICENSE No. 63286

**PRODUCT REVISED**  
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NOA-No. **16-0531.05**  
Expiration Date **09/15/2021**  
By *[Signature]*  
Miami-Dade Product Control

**SECTION A-A (SIDE VIEW)**

**VIEW "D"**  
3" TALL 50 KSI U-BAR  
20 GA. GALV. STEEL.



ALUMINUM EXTRUSION &  
VINYL WEATHERSTRIP.

DESIGN LOADS: +54.0 P.S.F. & -62.0 P.S.F.

Unless Stated Otherwise  
TOLERANCES are  
.0 = ±.031  
.00 = ±.015  
.000 = ±.005  
.0000 = ±.001  
Degrees = ± 1/2°  
Unless Stated Otherwise  
DIMENSIONS ARE IN INCHES.

**Clopay**  
Building Products Company

8585 Duke Boulevard  
Mason, OH 45040 USA  
Tel. No. 513-770-4800  
Fax No. 513-770-4853

DESCRIPTION: STEEL PAN DOOR UP TO 9'W +54/-62 PSF

DRAWN BY: RJK

DATE: 04/07/04

SCALE: NTS

CHECKED BY: SH

DATE: 03/03/05

SHEET 2 OF 3

DWG. NO.: 103287

VER: M-D

MANUFACTURING PRODUCT CODE  
PAN-2F143

PART NO.: N/A

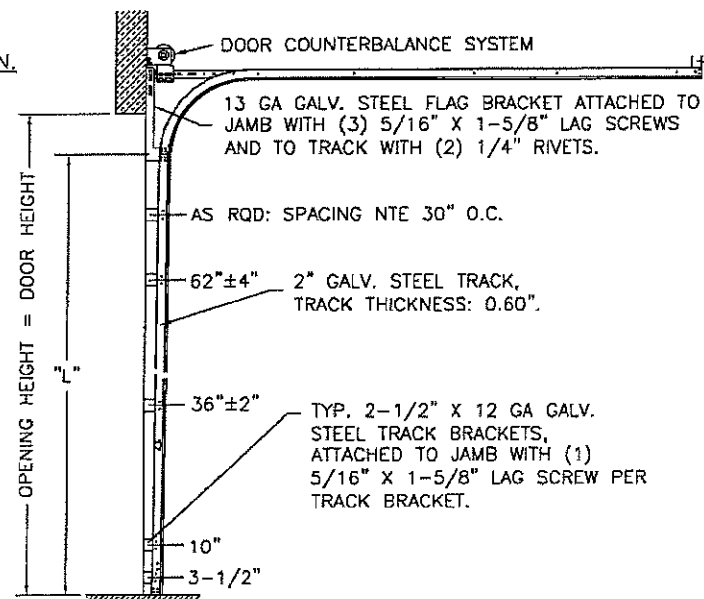
WINDLOAD RATING  
**W8 DP54**

DWG. **B**

REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
06	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

## 2" TRACK CONFIGURATION.

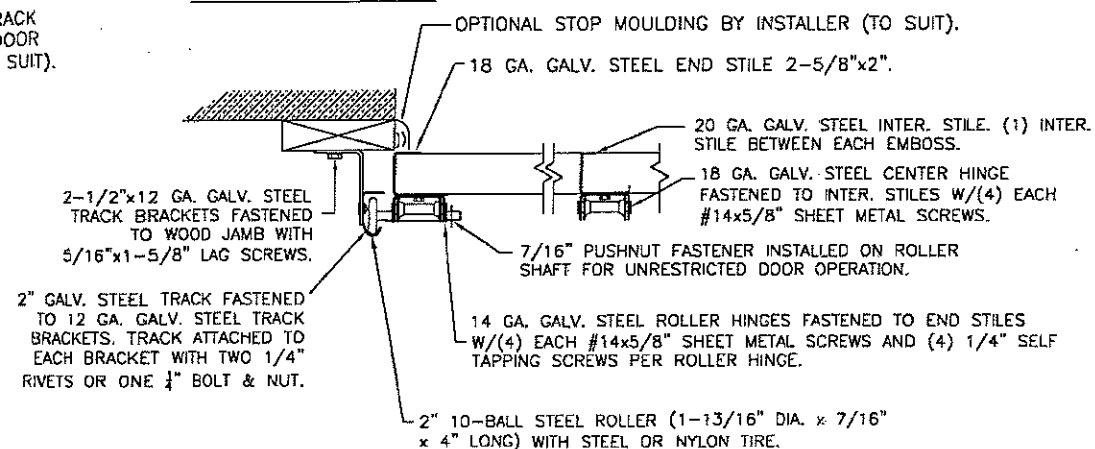
NOTE: TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING OF THIS DOOR.



DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"
8'-6"	94"
9'-0"	100"
9'-6"	106"
10'-0"	112"
10'-6"	118"
11'-0"	124"
11'-6"	130"
12'-0"	136"
12'-6"	142"
13'-0"	148"
13'-6"	154"
14'-0"	160"
14'-6"	166"
15'-0"	172"
15'-6"	178"
16'-0"	184"

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT).

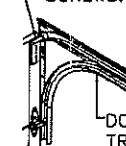
## JAMB CONFIGURATION.



## SECTION C-C

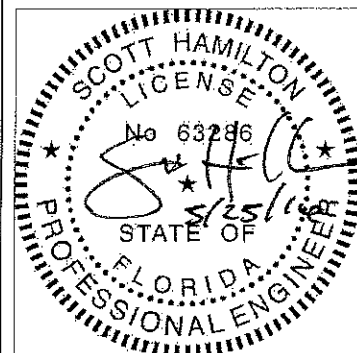
## PREPARATION OF JAMBS BY OTHERS.

LHR BRACKET (2-1/2" x 5-3/4" x 12GA) ATTACHED WITH (2) 1/4" x 3/4" SELF TAPPING SCREWS.



DOUBLE TRACK LOW HEADROOM OPTION (AVAIL. FOR BOTH 2" AND 3" TRACK)

3" TRACK IS ALSO AVAILABLE.



DESIGN ENGINEER:  
SCOTT HAMILTON, P.E.  
FLORIDA LICENSE No. 63286

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as complying with the Florida  
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NOA-No. **16-0531.05**

Expiration Date **09/15/2021**

By *[Signature]*  
Miami-Base Product Control

DESIGN LOADS: +54.0 P.S.F. & -62.0 P.S.F.

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SHEET 3 OF 3

DWG. NO.: 103287

VER: M-D

MANUFACTURING PRODUCT CODE

PAN-2F143

PART NO.: N/A

WINDLOAD RATING

W8 DP54